

## AMENDMENTS TO THE SPECIFICATION

Please replace paragraph 0028 with the following replacement paragraph:

[0028] Figure 5 illustrates a coated substrate 501 according to one embodiment of the present invention. Figure 5 illustrates a layer of silane on a substrate. The layer illustrated in Figure 5 is a monolayer. The substrate 502 has had many of the hydroxyl ions 504 embedded in its surface 505 reacted with HMDS such that silicon trimethyl 503 (methyl groups not shown) has bonded to the substrate 502. The density of reacted hydroxyl ions on the surface is consistent across the surface 505 of the substrate 502. This density may be altered by the pressure of the reactive process and the time duration of the reactive process in some embodiments. The surface energy of the embodiment 501 of Figure 5 remains consistent after significant exposure to moisture. The goniometer angle measured across various points on the surface of coated substrate 501 remains consistent after significant exposure to moisture. As seen in Figure 6, silicon trimethyl has bonded to water on the surface 604 of the substrate 601. The product of this reaction 603 sits on top of the surface 604 of the substrate 601 and is not strongly bonded to the substrate 601. In contrast, the silicon trimethyl 602 that has reacted with an embedded hydroxyl ion is strongly bonded to the substrate 601.